

## BEST AVAILABLE COPY

XP-002292207

AN - 2003-178704 [18]

AP - JP20010132007 20010427

CPY - SUMO

DC - A23 A32 A85 V06

FS - CPI;EPI

IC - B29C41/12 ; B29K67/00 ; B29L7/00 ; B29L31/34 ; C08G63/60 ; H04R7/02 ;  
H04R31/00

MC - A05-E10 A09-A02A A12-E12

- V06-A02 V06-J01A

PA - (SUMO) SUMITOMO CHEM CO LTD

PN - JP2002330493 A 20021115 DW200318 H04R7/02 007pp

PR - JP20010132007 20010427

XA - C2003-047394

XIC - B29C-041/12 ; B29K-067/00 ; B29L-007/00 ; B29L-031/34 ; C08G-063/60 ;  
H04R-007/02 ; H04R-031/00

XP - N2003-140505

AB - JP2002330493 NOVELTY - A speaker diaphragm is formed by molding a material containing a thermoplastic aromatic liquid crystal polyester and has no anisotropy.

- USE - The method produces the speaker diaphragm.

- ADVANTAGE - The speaker diaphragm has high specific modulus, high internal loss, and dramatically improved sound pressure frequency response, and high frequency distortion factor. The speaker diaphragm having no anisotropy is available even if the speaker diaphragm has a light-gage section.

- (Dwg.0/0)

IW - SPEAKER DIAPHRAGM HIGH SPECIFIC MODULUS HIGH INTERNAL LOSS IMPROVE  
SOUND PRESSURE FREQUENCY RESPOND HIGH FREQUENCY DISTORT FACTOR PRODUCE

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SOUND PRESSURE FREQUENCY RESPOND HIGH FREQUENCY DISTORT FACTOR PRODUCE

NC - 001

OPD - 2001-04-27

ORD - 2002-11-15

PAW - (SUMO) SUMITOMO CHEM CO LTD

TI - A speaker diaphragm has high specific modulus, high internal loss, and dramatically improved sound pressure frequency response, and high frequency distortion factor and its production

A01 - [001] 018 ; G2119 G2108 D01 D19 D18 D31 D50 D60 D76 D87 F31 F30 F36  
F35 ; R01041 G1149 G1092 D01 D19 D18 D31 D50 D76 D86 F32 F30 ;  
R00851 G1149 G1092 D01 D19 D18 D31 D50 D76 D86 F32 F30 ; R06529 G1150  
G1149 G1092 D01 D19 D18 D32 D50 D76 D92 F32 F30 ; R00470 G1161 G1150  
G1149 G1092 D01 D11 D10 D19 D18 D32 D50 D76 D93 F32 F30 ; R00473  
G1230 G1150 G1149 G1092 D01 D19 D18 D32 D50 D76 D92 F32 F30 F61 ;  
R00702 G1343 G1310 G4024 D01 D19 D18 D31 D50 D60 D76 D88 F37 F35 E00  
E21 ; R01023 G1343 G1310 G4024 D01 D19 D18 D31 D50 D60 D76 D88 F37  
F35 E00 E20 ; R01489 G1343 G1310 G4024 D01 D20 D18 D32 D50 D60 D78  
D92 F37 F35 E00 E22 ; H0033 H0011 ; H0293 ; P0851 P1978 P0839 H0293  
F41 D01 D18 D63 ; H0317 ; S9999 S1434 ; S9999 S1605-R  
- I0021 018 ; ND01 ; ND04 ; Q9999 Q7501 ; B9999 B4080 B3930 B3838

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N9999 N6440-R ; N9999 N5889-R  
- [003] 018 ; A999 A475